



## LABORATORY REPORT

**Al Maha Ceramics SAOG**  
**P.O. Box: 482, Postal Code: 322**  
**Falaj Al Qabail, Sohar, Sultanate of Oman.**

**Report No: WAM18-0769/01**  
**Sample No: WAM18-0769/01**  
**Date of Report: 13/10/2018**

**Introduction:** Further to the request received from **M/s. Al Maha Ceramics SAOG** dated 06<sup>th</sup> October 2018, the sample of Tile was tested for Chemical parameters.

**Sample Type** : Tile  
**Sample Identification** : Al Maha Ceramic Glazed Tile: AMEX  
**Sample Received Date** : 06/10/2018  
**Date Tested** : 06/10/2018-13/10/2018  
**Tested By** : VP/NK



### Results of Analysis

Test	Method	Unit	Result
Solar reflectance	ASTM C 1549	%	76
Solar absorbance		%	24
Solar emissivity	ASTM C 1371	-	0.78

### Solar Reflectance Index, SRI

Test method

SRI for wind condition (Low, Medium, High): ASTM E 1980:01

Condition	Low wind (0-2 m/s)	Medium wind (2-6 m/s)	High wind (6-30 m/s)
Convective coefficient, (W/(m <sup>2</sup> K))	5	12	30
Roof surface temperature (°C)	54.5	47.7	42.2
<b>Solar reflectance index, SRI</b>	<b>90</b>	<b>92</b>	<b>93</b>

Signed for and on behalf of Wimpey Laboratories

  
**Sreejith M I**  
**Laboratory Manager**



Test results relate only to the samples tested  
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